Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/03/2018

Lab ID	:	**CP-2018-03-15-11**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.
Agency	:	Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-14/W.O/000117/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-03-2018
Sample ID No	:	2018-03-15-11 /03
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	16/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	09/03/2018	16/03/2018	151.00 X 149.29 X 151.09	22543	8.196	378.7	16.8	17.2
2	Drain Concrete	M20	09/03/2018	16/03/2018	150.29 X 150.83 X 150.22	22668	8.172	394.4	17.4	
3	Drain Concrete	M20	09/03/2018	16/03/2018	150.27 X 150.28 X 150.27	22583	8.175	390.7	17.3	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 06/04/2018

Lab ID	:	CP-2018-03-15-11
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.
Agency	:	Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-14/W.O/000117/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-03-2018
Sample ID No	:	2018-03-15-11 /04
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	06/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	09/03/2018	06/04/2018	149.68 X 150.28 X 150.28	22494	8.118	501.6	22.3	21.9
2	Drain Concrete	M20	09/03/2018	06/04/2018	150.19 X 151.02 X 150.97	22682	8.169	501.3	22.1	
3	Drain Concrete	M20	09/03/2018	06/04/2018	150.22 X 149.27 X 150.98	22423	8.183	479.9	21.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-03-15-11** **Date: 19/03/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Address : Yelahanka Sub division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.

Agency : Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-14/W.O/000117/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-03-2018

Sample ID No : 2018-03-15-11 /05

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	12/03/2018	19/03/2018	151.63 X 151.50 X 150.91	22971	8.176	406.6	17.7	18.0
2	Drain Concrete	M20	12/03/2018	19/03/2018	149.57 X 150.73 X 150.07	22545	8.429	412.6	18.3	
3	Drain Concrete	M20	12/03/2018	19/03/2018	151.31 X 151.80 X 151.19	22969	8.157	411.1	17.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-03-15-11** **Date: 09/04/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Address : Yelahanka Sub division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.

Agency : Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-14/W.O/000117/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-03-2018

Sample ID No : 2018-03-15-11 /06

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	12/03/2018	09/04/2018	150.47 X 150.07 X 150.01	22581	8.198	535.2	23.7	23.4
2	Drain Concrete	M20	12/03/2018	09/04/2018	149.73 X 149.08 X 150.91	22322	8.504	511.2	22.9	
3	Drain Concrete	M20	12/03/2018	09/04/2018	149.99 X 149.41 X 150.93	22410	8.170	531.1	23.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-03-15-11** **Date: 19/03/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.
Agency	:	Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-14/W.O/000117/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-03-2018
Sample ID No	:	2018-03-15-11 /07
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	12/03/2018	19/03/2018	150.14 X 151.82 X 149.17	22793	8.359	408.0	17.9	18.0
2	Drain Concrete	M20	12/03/2018	19/03/2018	151.13 X 150.14 X 151.63	22690	8.210	417.5	18.4	
3	Drain Concrete	M20	12/03/2018	19/03/2018	150.40 X 149.65 X 151.14	22506	8.419	398.4	17.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-03-15-11 **Date: 09/04/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Address : Yelahanka Sub division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.

Agency : Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-14/W.O/000117/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-03-2018

Sample ID No : 2018-03-15-11 /08

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	12/03/2018	09/04/2018	151.62 X 150.38 X 150.62	22799	8.352	519.8	22.8	23.3
2	Drain Concrete	M20	12/03/2018	09/04/2018	151.43 X 151.32 X 149.23	22913	8.157	536.2	23.4	
3	Drain Concrete	M20	12/03/2018	09/04/2018	150.80 X 149.03 X 151.96	22474	8.306	532.6	23.7	

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-03-07-09** **Date: 10-03-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.
Agency	:	Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-14/W.O/000117/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-03-2018
Sample ID No	:	2018-02-07-09 /01
Sample Type	:	ACC 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	08-03-2018
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.85	–
2	Finess by Air permeablity method (m^2/kg,Min)	293.4	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	275 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-03-07-09**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore. **Date: 05-04-2018**
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.
Agency	:	Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-14/W.O/000117/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-03-2018
Sample ID No	:	2018-02-07-09 /01
Sample Type	:	ACC 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	08-03-2018
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-03-07-09** **Date: 09-03-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.
Agency	:	Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-14/W.O/000117/2017-18
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	07-03-2018
Sample ID No	:	2018-02-07-09 /02(a)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	07-03-2018

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	218	218	1.5	98.5	90-100
3	20 mm	7289	7507	50.0	50.0	30-70
4	10 mm	5102	12609	84.1	15.9	10-35
5	4.75 mm	2185	14794	98.6	1.4	0-5
6	Pan	206	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2018-03-07-09**

Sample ID No : 2018-02-07-09 /02(a)

Date: 09-03-2018

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.8	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.5	
3	Specific Gravity	2.62	–
4	Bulk Density(Loose) (Kg/l)	1.48	–
5	Bulk Density(Compacted) (Kg/l)	1.51	–
6	Water Absorption(%)	0.18	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2018-03-07-09

Sample ID No : 2018-02-07-09 /02(b)

Date: 09-03-2018

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.8	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.4	
3	Specific Gravity	2.59	–
4	Bulk Density(Loose) (Kg/l)	1.48	–
5	Bulk Density(Compacted) (Kg/l)	1.55	–
6	Water Absorption(%)	0.23	–
7	Aggregate crushing Value(%)	22.0	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.9	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2018-03-07-09 **Date: 09-03-2018**

Customer : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Address : Yelahanka Sub division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.

Agency : Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-14/W.O/000117/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 07-03-2018

Sample ID No : 2018-02-07-09 /03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 07-03-2018

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	18	18	1.8	98.2	90-100	90-100	90-100	95-100
3	2.36 mm	185	203	20.3	79.7	60-95	75-100	85-100	95-100
4	1.18 mm	228	431	43.1	56.9	30-70	55-90	75-100	90-100
5	600 micron	187	618	61.8	38.2	15-34	35-59	60-79	80-100
6	300 micron	199	817	81.7	18.3	5-20	8-30	12-40	15-50
7	150 micron	132	949	94.9	5.1	0-10	0-10	0-10	0-15
8	Pan	51	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2018-03-07-09** **Date: 09-03-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.
Agency	:	Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-14/W.O/000117/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-03-2018
Sample ID No	:	2018-02-07-09 /04
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012
Date of test:	:	08-03-2018

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.394	528	648	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.613	560	680	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.886	578	698	19.0%	Satisfactory	Satisfactory

Note:

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2018-03-07-09** **Date: 12-03-2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.
Agency	:	Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-14/W.O/000117/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-03-2018
Sample ID No	:	2018-02-07-09 /06
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	08/03/2018

SL No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.11	100.42	1.388	4430	85.7	19.3	18.0	22.5
2	Cover Slab-2	75.16	100.52	1.369	4436	86.9	19.6	18.2	22.8
3	Cover Slab-3	75.18	100.63	1.375	4438	84.6	19.1	17.7	22.2

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-03-15-11 **Date: 16/03/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Address : Yelahanka Sub division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.

Agency : Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-14/W.O/000117/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-03-2018

Sample ID No : 2018-03-15-11 /01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

Date of test : 16/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	09/03/2018	16/03/2018	149.66 X 151.22 X 151.70	22632	8.204	414.2	18.3	18.2
2	Drain Concrete	M20	09/03/2018	16/03/2018	150.38 X 150.62 X 150.88	22650	8.198	405.4	17.9	
3	Drain Concrete	M20	09/03/2018	16/03/2018	150.23 X 151.46 X 151.05	22754	8.163	418.7	18.4	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-03-15-11 **Date: 16/03/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Address : Yelahanka Sub division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.

Agency : Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-14/W.O/000117/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-03-2018

Sample ID No : 2018-03-15-11 /01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	09/03/2018	16/03/2018	149.66 X 151.22 X 151.70	22632	8.204	414.2	18.3	18.2
2	Drain Concrete	M20	09/03/2018	16/03/2018	150.38 X 150.62 X 150.88	22650	8.198	405.4	17.9	
3	Drain Concrete	M20	09/03/2018	16/03/2018	150.23 X 151.46 X 151.05	22754	8.163	418.7	18.4	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-03-15-11 Date: 06/04/2018

Customer : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Address : Yelahanka Sub division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at balaji layout in Kenchenahalli in ward No.02 of Yelahanka Sub Division.

Agency : Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-14/W.O/000117/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-03-2018

Sample ID No : 2018-03-15-11 /02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	09/03/2018	06/04/2018	149.63 X 150.44 X 150.72	22510	8.214	515.5	22.9	22.8
2	Drain Concrete	M20	09/03/2018	06/04/2018	151.25 X 149.68 X 151.38	22639	8.198	523.0	23.1	
3	Drain Concrete	M20	09/03/2018	06/04/2018	150.22 X 151.63 X 151.42	22778	8.163	512.5	22.5	

Note:
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